clarion

DB625MP

AM/FM CD/MP3 PLAYER

COMBINE RADIO AM/FM CD/MP3

SINTONIZADOR DE AM/FM Y REPRODUCTOR DE
DISCOS COMPACTOS/MP3
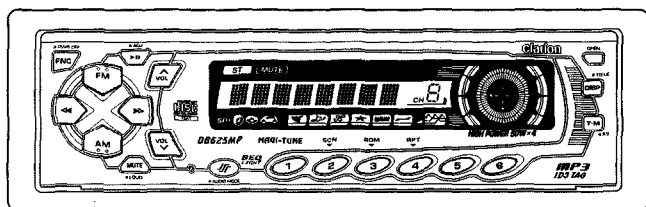
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
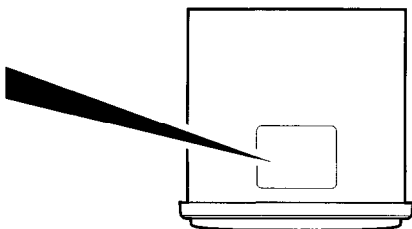
THE COMPACT DISC PLAYER and MINI DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

MODEL	clarion
12V ⊖ GROUND	
AM 530-1700kHz/FM 87.9-107.9MHz	

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE TAHT MAY CAUSE UNDESIRED OPERATION

THIS PRODUCTION COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

CLARION CO.,LTD.
50 KAMITODA,TODA-SHI,SAITAMA-KEN,JAPAN

MANUFACTURED:

SERIAL No.
PE-

286-
Clarion Co.,Ltd.
MADE IN

Thank you for purchasing this **Clarion** product.

* Please read this owner's manual in its entirety before operating this equipment.

* After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).

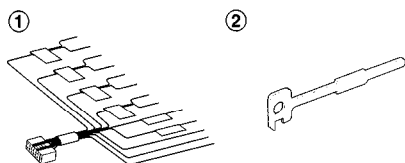* Check the contents of the enclosed warranty card and keep it carefully with this manual.

Contents

English

■ **mAGI-TUNE** FM Reception System

■ 8-Times Oversampling Digital Filter and 1-Bit D/A Converters

■ 4-Channel RCA Line Level Output with Fader Control

List of Accessories

① ②

③ ④

⑤

① Wiring harness 1
② Removal tool 2
③ Counter sunk self-tapping screw 4
④ Round head self-tapping screw 4
⑤ Taptite screw 2
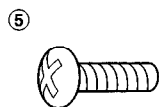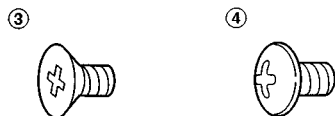
⚠ CAUTION

The use of any accessories except for those provided might result in damage to the unit. Make sure only to use the accessories shipped with the unit, as shown above.

DB625MP **4**

English Français Español

■ *Main unit / Appareil principal / Unidad principal*

[▶ II]

[FM]

[∧], [∨]

[FNC]

[◄◄], [►►]

[AM]

[MUTE]

[BEQ LIGHT]

[SCN]

[RDM]

[RPT]

[OPEN]

[DISP]

[T-M]

[PRESET]
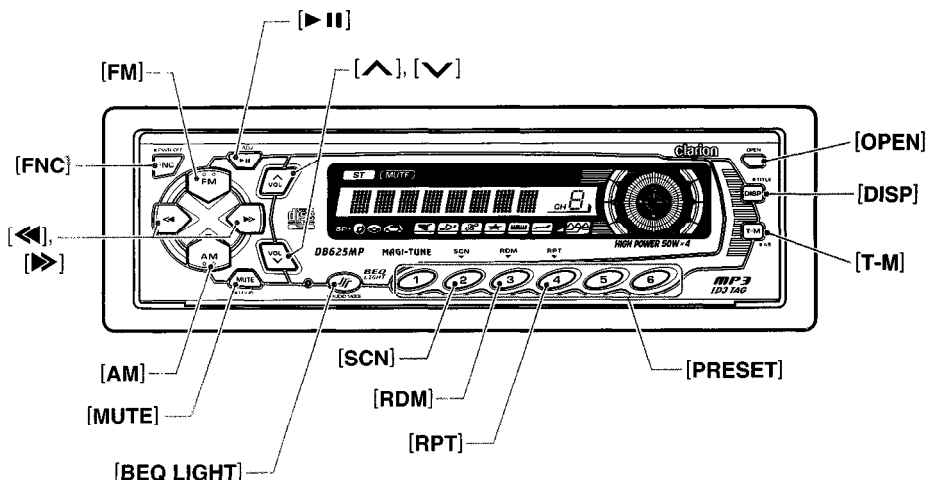
With the FLIP DOWN PANEL opened / Ouvrez le PANNEAU RABATTABLE / Apertura del PANEL ABATIBLE

[CD/MP3 SLOT]   [▲]
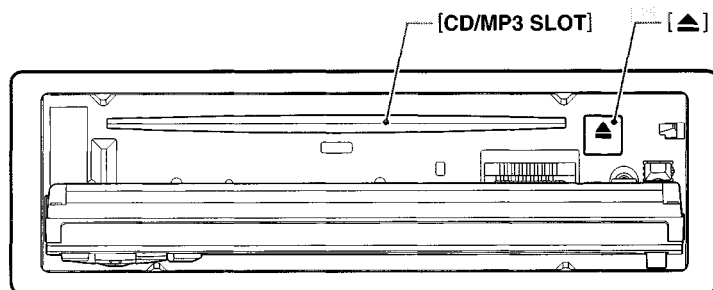
Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.
Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.
Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.

Names of Buttons

Main Unit

[FNC] button
• Press the button to turn on the power.

Press the button for at least 1 second to turn off the power.

• Switches the operation mode among the radio mode, etc.

[FM] button
• Switches the FM band while in the radio mode.

[▶︎II] button
• Plays or pauses a CD/MP3 while in the CD/MP3 mode.

• Press the button for at least 1 second to enter the adjustment menu mode.

[∧], [∨] button
• Adjust the volume.

[OPEN] button
• Use the button to open the Flip down panel.

[DISP] button
• Switches the display indication.

• Use the button to input a title in the CD/MP3 mode.

• Scrolling the displayed CD text and MP3 text.

[T-M] button
• Use the button to set the tuning mode.

• Use the button to set the Auto Store.

[PRESET] button
• Stores a station into memory or recall it directly while in the radio mode.

[RPT] button
• Plays repeatedly while in the CD/MP3 mode.

[RDM] button
• Performs random play while in the CD/MP3 mode.

[SCN] button
• Performs scan play for 10 seconds for each track while in the CD/MP3 mode.

[BEQ LIGHT] button
• Use the button to select one of the six types of sound characteristics already stored in memory.

[MUTE] button
• Turning the volume down quickly.

• Press the button for at least 1 second to turn the loudness on or off.

[AM] button
• Switches the AM band while in the radio mode.

[◀◀], [▶▶] button
• Selects a station while in the radio mode.

• Selects a track when listening to a CD/MP3.

• These buttons are used to make various settings.

[CD/MP3 SLOT]
• CD/MP3 insertion slot.

[▲] button
• Ejects a CD/MP3 when it is loaded into the unit.

Display Items

Operation status indication
Titles, PS names, etc. are
displays.

ST : Stereo indication

(**MUTE**) : Mute indication
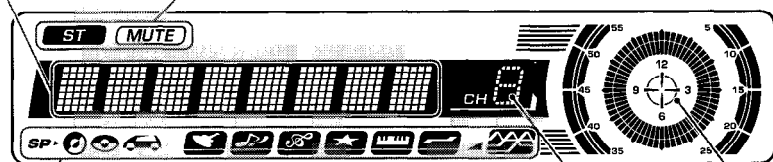
Preset channel indication (1 to 6)

Clock (Clock indication) etc.

SP► : Speaker Setting indication

⊘ : 5 & 4 in. (127 mm & 102 mm) Speaker indication

⊜ : 6 & 6 x 9 in. (152 mm & 152 mm x 229 mm) Speaker indication

⟅⟆ : OEM Speaker indication

◢⧄ : BEQ LIGHT indication (BEQ LIGHT:Beat EQ Light)

◆ : Rock indication

◆ : Pops indication

◆ : Easy indication

◆ : Top 40 indication

◆ : Jazz indication

◆ : Flat indication

4. PRECAUTIONS

1. When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

3. When the auto antenna cord is connected to the car auto antenna cord, when the unit is switched to the radio mode (or the TV mode), the antenna is extended automatically. If the car is in a narrow space, the antenna may strike something, so be careful.

4. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

• Insert the unit all the way in until it is fully locked in place. Otherwise it may fall out of place when jolted.

• When extending the ignition, battery, or ground wires, make sure to use automotive-grade wires or other wires with a 0.75mm² (AWG18) or more to prevent wire deterioration and damage to the wire coating.

• To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.

• If the unit starts to emit smoke or strange smells, turn off the power immediately and consult your dealer.

• Make sure not to get your fingers caught between the faceplate and the unit.

• Be careful not to drop the unit or subject it to strong shock.

The unit may break or crack because it contains glass parts.

• Do not touch the liquid crystal fluid if the LCD is damaged or broken due to shock. The liquid crystal fluid may be dangerous to your health or even fatal.

If the liquid crystal fluid from the LCD contacts your body or clothing, wash it off with soap immediately.

• Make sure to ground the unit to a negative 12V DC power supply.

• Do not open the top or bottom covers of the unit.

• Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

• Do not subject the faceplate to excessive shock, as it is a piece of precision equipment.

• When replacing a fuse, only use a new one with the prescribed rating. Using a fuse with the wrong rating may cause your unit to malfunction.

• To prevent short circuits when replacing a fuse, first disconnect the wiring harness.

• Do not place any object between the faceplate and the unit.

• Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.

• Do not apply excessive force to the open faceplate or place objects on it. Doing so will cause damage or breakdown.

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- If you experience problems during installation, consult your dealer.
- If the unit fails to operate properly, press the Reset button. The unit returns to factory settings when the Reset button is pressed. After you press the Reset button. If the unit still fails to operate properly after the Reset button has been pressed, contact your local dealer for assistance.

Reset button
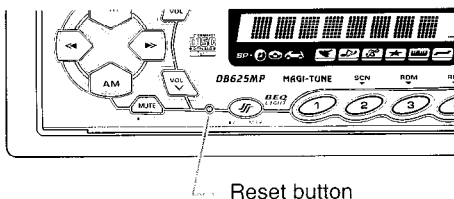
- Characters in the LCD may become difficult to read in temperatures below 41 °F (5 °C).
- The illustrations of the display and the panel appearing in this manual are examples used to explain more clearly how the controls are used. Therefore, what appears on the display in the illustrations may differ from what appears on the display on the actual equipment, and some of the illustrations on the display may represent something impossible in actual operation.

Lens Fogging

Right after you turn on the car heater in cold weather, dew or condensation may form on the lens in the CD player of the unit. Called lens fogging, CDs may be impossible to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your dealer.

Cleaning the Faceplate Terminals

If the terminals on the unit or faceplate get dirty, wipe them with a dry, soft cloth.

Cleaning the Unit

If the faceplate of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth.

If the faceplate is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe neutral detergent off.

Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the faceplate with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erases characters.

Cleaning the CD Slot

As dust can accumulate in the CD slot, clean it occasionally. Your CDs can get scratched if you put them in a dusty CD slot.
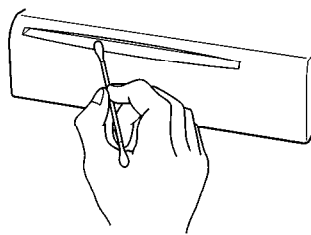
Notes on Playing MP3

This unit can play MP3 (MPEG1, 2, 2.5 Audio Layer 3). Note, however, that the MP3 recording media and formats acceptable are limited. When writing MP3, pay attention to the following restrictions.

Acceptable media

The MP3 recording media acceptable to this unit are CD-ROM, CD-R, and CD-RW.

When using CD-RW, do full format not quick format to prevent malfunction.

Acceptable medium formats

The following formats are available for the media used in this unit. The maximum number of characters used for file name including the delimiter (".") and three-character extension are indicated in parentheses.

- ISO 9660 Level 1 (12 characters)
- ISO 9660 Level 2 (31 characters)
- Joliet (64 characters)
- Romeo (128 characters)

Up to 200 characters can be displayed in the long file name format. For a list of available characters, see the instruction manual of the writing software and the section Entering file and folder names below.

The media reproducible on this unit has the following limitations:

- Maximum number of directory levels: 8
- Maximum number of files per folder: 255
- Maximum number of characters for folder name: 64
- Maximum number of folders: 50

MP3 written in the formats other than the above may not be successfully played and their file names or folder names are not properly displayed.

Settings for your MP3 encoder and CD writer

When you use your CD writer to record MP3 up to the maximum disc capacity, disable additional writing. For recording on an empty disc up to the maximum capacity at once, check Disc at Once.

Entering ID3 tag

The Displayable ID3 tag is ID3 version 1.x.

For the character code, refer to the List of Codes.

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0				0	@	P	`	p				°	À	Ð	à	ð
1			!	1	A	Q	a	q				±	Á	Ñ	á	ñ
2			"	2	B	R	b	r			¢	²	Â	Ò	â	ò
3			#	3	C	S	c	s			£	³	Ã	Ó	ã	ó
4			$	4	D	T	d	t			¤	´	Ä	Ô	ä	ô
5			%	5	E	U	e	u			¥	μ	Å	Õ	å	õ
6			&	6	F	V	f	v			¦	¶	Æ	Ö	æ	ö
7			'	7	G	W	g	w			§	·	Ç	×	ç	÷
8			(	8	H	X	h	x				¸	È	Ø	è	ø
9			)	9	I	Y	i	y			©	¹	É	Ù	é	ù
A			*	:	J	Z	j	z			ª	º	Ê	Ú	ê	ú
B			+	;	K	[	k	{			«	»	Ë	Û	ë	û
C			,	<	L	\	l					¬	¼	Ì	Ü	ì	ü
D			-	=	M	]	m	}			®	½	Í	Ý	í	ý
E			.	>	N	^	n	~				¾	Î	Þ	î	þ
F			/	?	O	_	o				¯	¿	Ï	ß	ï	ÿ

Entering file and folder names

The code list characters are the only file names and folder names that can be entered and displayed.

If you use any other character for entry, the file and folder names are not displayed correctly. They may neither be displayed correctly depending on the CD writer used.

The unit recognizes and plays only those MP3 which have the MP3 extension (MP3).

Note:
• A file with a name entered with characters not on the code list may not play correctly.

Writing files into a medium

When a medium containing MP3 data is loaded, the unit checks all the data on the medium. If the medium contains a lot of folders or non-MP3 files, therefore, it takes a long time until the unit starts playing MP3.

In addition, it may take time for the unit to move to the next MP3 file or a Track Search or Folder Search may not be performed smoothly.

⚠ CAUTION
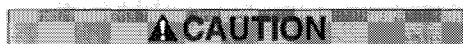
Loading such a medium may produce loud noise to damage the speakers.

• Do no attempt to play a medium containing a non-MP3 file with the MP3 extension.

  The unit mistakes non-MP3 files for MP3 data as long as they have the MP3 extension.

• Do not attempt to play a medium containing non MP3.

MP3 playing order

When selected for play, Folder Search, Track Search, or for Folder Select, files and folders are accessed in the order in which they were written by the CD writer.

Because of this, the order in which they are expected to be played may not match the order in which they are actually played. You may be able to set the order in which MP3 are to be played by writing them onto a medium such as a CD-R with their file names beginning with play sequence numbers such as "01" to "99", depending on your CD writer.

For example, a medium with the following folder/file hierarchy is subject to Folder Search, Track Search, or Folder Select as shown below.

Example of a medium's folder/file hierarchy

🗁	Folder
♪	File
⊙	Root

Level 1   Level 2   Level 3   Level 4
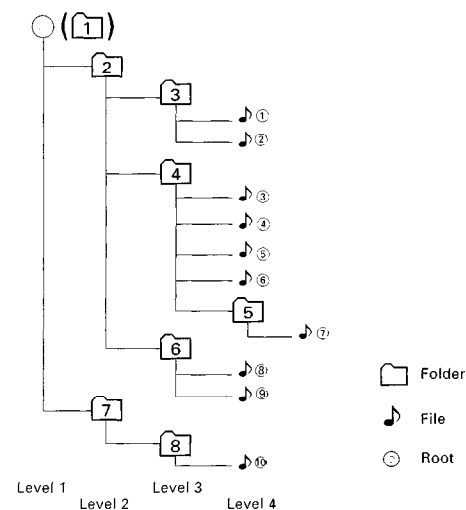
When a Track Search is executed with file ♪ ④ being played ...

Current file number	Operation of the button	
	[◀◀] Button	[▶▶] Button
♪④	Beginning of file ♪④ ▶ ♪③	♪⑤ ▶ ♪⑥

When an Folder Search is executed with file ♪ ④ being played ...

Current folder number	Operation of the button	
	[AM] Button	[FM] Button
🗁④	🗁③▶🗁②▶🗁①▶🗁⑧···	🗁⑤▶🗁⑥▶🗁⑦▶🗁⑧▶🗁①···

When Folder Select is selected with file ♪ ④ being played to move from folder to folder ...

Current folder number	Operation of the button			
	[◀◀] Button	[▶▶] Button	[AM] Button	[FM] Button
🗁④	🗁③	🗁⑥	🗁②	🗁⑤

About CDs

Handling CDs

• Don't touch the recording surface of the CD.
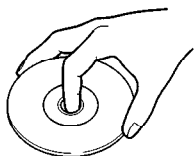
• CD-R and CD-RW are easier to damage than a normal music CD. Use a CD-R or a CD-RW after reading the caution items on the package etc.
• Don't stick tape etc. on the CD.
  Also, don't use a CD with tape stuck on it.

When using a new CD

If the CD center hole or outside rim has burrs, use it after removing them with a ball pen etc.
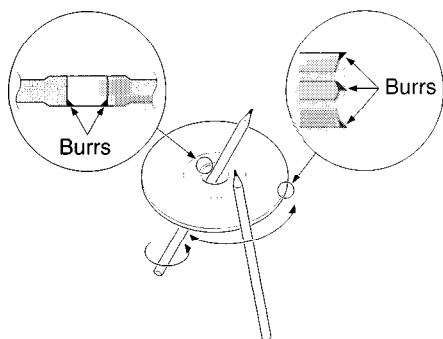
CD accessories

Don't use disc type accessories.

CD cleaning

Clean from the center of the disc and move outward.
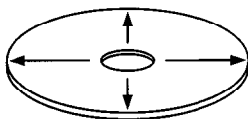
Removing CDs

When removing CDs from this unit pull them out horizontally.

CDs that can't be used

• CDs that aren't round can't be used.
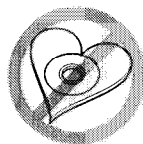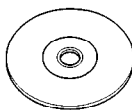
• CDs with coloring on the recording surface or that are dirty can't be used.
• Don't use CDs without disc mark .

• A CD-R or CD-RW that hasn't been finalized can't be played. (For the finalization process refer to your CD-R/CD-RW writing software, and your CD-R/CD-RW recorder instruction manual.)

CD storage

• Don't place them in direct sunlight (On the seat or dashboard etc.) and where the temperature is high.
• Store CDs in their cases.

Basic Operations

Note: Be sure to read this chapter referring to the front diagrams of chapter "**2. CONTROLS**" on page 5 (unfold).

Power

● **Turning ON the Power**
Press the [**FNC**] button.

● **Turning OFF the Power**
Press the [**FNC**] button for at least 1 second.

Selecting the Source

Press the [**FNC**] button.

Source required	Display
Tuner	"TUNER"
CD	"CD"
Standby (Illumination only mode)	"ALL OFF"

Volume

● **Increasing Volume**
Press the [**∧**] button.

● **Decreasing Volume**
Press the [**∨**] button.

Mute

Turning the volume down quickly.
Press the [**MUTE**] button.
Each time the button is pressed the Mute turns ON or OFF.
When it's ON, the "**MUTE**" indicator blinks.

Loudness

Compensating for low and high tones during low volume.
Press the [**MUTE**] button for at least 1 second.
Each time the button is pressed for at least 1 second the Loudness turns ON or OFF.
When it's ON, "**LOUD ON**" is displayed.

Beat EQ Light

You can recall the best sound setting preset for different types of the music.
1. Select the source to set
Press the [**FNC**] button.
2. Select the Sound type
Press the [**BEQ LIGHT**] button.

Each time the button is pressed the sound setting switches.

Sound setting	Display
User memory	"User"
Rock	"Rock"
Pops	"Pops"
Easy	"Easy"
Top 40	"Top40"
Jazz	"Jazz"
Flat	"Flat"

Notes:
• User memory: The values set on the <Audio Mode>.
• Each setting value is changed with the <Speaker Setting>. First, select the speaker type with the Speaker setting.

Audio Mode

1. Select the source for adjustment
Press the [**FNC**] button.
2. Enter Audio mode
Press the [**BEQ LIGHT**] button for at least 1 second.
3. Select the Audio item for adjustment
Press the [**FM**] or [**AM**] button.
Each time the button is pressed the items that can be adjusted switch as shown below.
4. Adjust the Audio item
Press the [**◄◄**] or [**►►**] button.

Adjustment Item	Display	Range
Bass level	"Bas"	−8 ~ +8
Middle level	"Mid"	−8 ~ +8
Treble level	"Tre"	−8 ~ +8
Balance	"Bal"	Left 15 ~ Right 15
Fader	"Fad"	Rear 15 ~ Front 15
Volume offset	"V-OFF"	−8 ~ ±0

Note:
• Volume offset: Each source's volume can be set as a difference from the basic volume.

5. Exit Audio mode
Press the [**BEQ LIGHT**] button.

Basic Operations

Speaker Setting

Fine-tuning so that the BEQ LIGHT value is optimal when setting the speaker type.

1. Enter Standby

   Press the [**FNC**] button.

   Select the "**ALL OFF**" display.

2. Enter Speaker Setting mode

   Press the [**BEQ LIGHT**] button.

3. Select the Speaker type

   Press the [◀◀] or [▶▶] button.

   Each time the button is pressed the setting switches as shown below.

Speaker type	Display
OFF	"SP OFF"
For 5 & 4 in. speaker	"SP 5/4"
For 6 & 6x9 in. speaker	"SP 6*9/6"
For the OEM speaker	"SP OEM"

4. Exit Speaker Setting mode

   Press the [**BEQ LIGHT**] button.

Switching Display

Switching the information displayed.

   Press the [**DISP**] button.

   Each time the button is pressed the display switches as shown below.

● **In Tuner source**

Information	Display
Frequency	
Station name	"SNPS"
Clock	

● **In CD source**

Information	Display
Track number	
Disc name	"DNPS"
Disc title	"D-TITLE"
Track title	"T-TITLE"
Track number & Track Time	
Clock	

● **In MP3 source**

Information	Display
Track number	
Disc name	"DNPS"
Folder name	"FOL NAME"
File name	"FIL NAME"
Song title & Artist name	"TITLE"
Album name & Artist name	"ALBUM"
Track number & Track Time	
Clock	

Station/Disc Naming (SNPS/DNPS)

Attaching a title to a Station or CD.

1. Receive/play the station/disc you want to attach a title to

2. Enter name set mode

   Press the [**DISP**] button for at least 2 seconds.

   "**NAME SET**" is displayed.

3. Move the cursor to the enter character position

   Press the [◀◀] or [▶▶] button.

4. Select the character type

   Press the [▶▌▌] button.

   Each time the button is pressed the character type switches as shown below.

Character type
Alphabet upper case
Alphabet lower case
Numbers and symbols
Special characters (Accent characters)

5. Select the characters

   Press the [**FM**] or [**AM**] button.

6. Repeat steps 3 through 5 and enter the name.

7. Exit name set mode

   Press the [**DISP**] button.

Notes:
* *When operation stops for 10 seconds the name at that time is registered, and Name Set mode closes.*
* *Memory numbers*
  - *FM: 32 stations*
  - *AM: 16 stations*
  - *Internal CD player: 30 discs*
* *The title of station/CD can be changed by the same operation used to name it.*
* *Disc Naming can't be done during CD text or clock display.*

Theft Deterrent Faceplate

The faceplate of the unit can be detached and taken with you, helping to deter theft.

● Removing the Faceplate

1. Press the [**OPEN**] button.

   Drop open the faceplate.

2. Drawing the faceplate to left side pull it to the front and remove it.

Notes:

• The faceplate is a precision piece of equipment and can be damaged by shocks or jolts. For that reason, keep the faceplate in its special storage case while detached.

• Do not expose the faceplate or its storage case to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
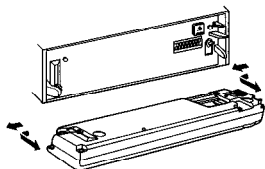
● Reattaching the Faceplate

1. Align the shaft on the unit with the depression on the faceplate.
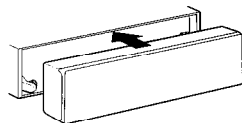
2. Push the faceplate in until it clicks.

   The faceplate is locked in place, allowing you to use the unit.

Radio Operations

Tuning Mode

Choose the tuning mode.

Press the [T-M] button.

Each time the button is pressed the Tuning mode switches as shown below.

Tuning mode	Display	Operation
Auto seek	"Auto 1"	Automatic search for a station.
Preset scan seek	"Auto 2"	Search in order of the stations in the Preset memory.
Manual	"Manual"	Normal manual tuning control.

Tuning

Selecting the station.

1. Select tuner source

   Press the [FNC] button.

   Select the "TUNER" display.

2. Select the band

   Press the [FM] or [AM] button.

   Each time the [FM] button is pressed it switches between the FM1, FM2, and FM3 bands.

3. Tune up or down band

   Press the [◀◀] or [▶▶] button.

Note:
• *During reception of stereo stations the "ST" indicator is ON.*

Station Preset Memory

Putting the station in the memory.

1. Select the band

   Press the [FM] or [AM] button.

2. Select the frequency to put in the memory

   Press the [◀◀] or [▶▶] button.

3. Put the frequency in the memory

   Press the [PRESET] button for at least 2 seconds.

   The preset number display blinks 1 time.

   On each band, 1 station can be put in the memory on each [PRESET] button.

Auto Store Entry

Putting a station with good reception in the memory automatically.

1. Select the band for Auto Store Entry

   Press the [FM] or [AM] button.

2. Open Auto Store Entry

   Press the [T-M] button for at least 2 seconds.

   When 6 stations that can be received are put in the memory Auto Store Entry closes.

Preset Tuning

Calling up the stations in the memory.

1. Select the band

   Press the [FM] or [AM] button.

2. Call up the station

   Press the [PRESET] button.

Changing the reception area

This unit is initially set to USA frequency intervals of 10kHz for AM and 200kHz for FM. When using it outside the USA, the frequency reception range can be switched to the intervals below.

● Setting the reception area

1. If the Reset button is pressed while pressing [PRESET 1] and [PRESET 5], reception area will switches from inside the USA to outside the USA or from outside the USA to inside the USA.

   ※ Any station preset memories are lost when the reception area is changed.

CRSC (Clean Reception System Circuit) <In FM reception>

Temporarily have reception switched from stereo to mono to reduce multi-path noise when listening to the FM station.

Display	Setting
"CRSC ON"	The CRSC is ON.
"CRSC OFF"	The CRSC is OFF.

Note:
• *Strong electrical fields (such as from power lines) may cause unstable sound quality when CRSC is turned ON. In such a situation, turn it OFF.*

CD/MP3 Operations

Playing CD & MP3

● When there is no disc inserted
1. Drop open the faceplate
   Press the **[OPEN]** button.
2. Insert a disc.
3. Press the faceplate on the right side, and return it to its former position.

⚠ CAUTION

- When the faceplate has been dropped open, it might interfere with the shift lever or something else. If this happens, pay attention to safety and move the shift lever or take an appropriate action, then operate the unit.
- Do not use the unit with the faceplate in the open condition. If it's used in the open position dust can enter the inside part and cause damage.

● When a disc is inserted
Press the **[FNC]** button.
Select the "**CD**" display.

● Pause and play
Press the **[►II]** button.
Each time the button is pressed it pauses and plays.

● Eject the disc
1. Drop open the faceplate
   Press the **[OPEN]** button.
2. Eject the disc
   Press the **[▲]** button.

[▲] button
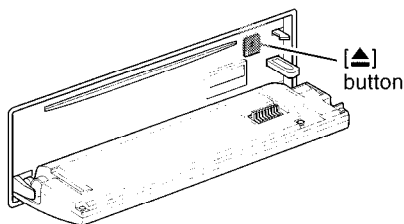
3. Press the faceplate on the right side, and return it to its former position.

⚠ CAUTION

3 in. (8cm) disc can't be played. Using an adapter and inserting them into this unit can cause damage.

Note:
- The MP3 media that this unit can play are CD-ROM, CD-R, and CD-RW.
  The medium formats must be ISO 9660 Level 1, Level 2, Joliet, or Romeo. The methods and precautions to be followed for writing MP3 data are covered in <Notes on playing MP3>.
  Check that section before creating your MP3 media.

Fast Forwarding and Reversing

● Fast Forwarding
Hold down on the **[►►]** button.
Release your finger to play the disc at that point.

● Reversing
Hold down on the **[◄◄]** button.
Release your finger to play the disc at that point.

Track Search
Selecting the song you want to hear.
Searching for a song on the disc or in the MP3 folder.
Press the **[◄◄]** or **[►►]** button.

Folder Search
Selecting the folder recorded on the MP3 media.
Press the **[FM]** or **[AM]** button.

Track/Folder Repeat

Replaying the song, disc or MP3 folder you're listening to.

Press the [**RPT**] button.

Each time the button is pressed the Repeat Play switches as shown below.

Repeat play	Display
Track Repeat (In CD)	"REP ON"
(In MP3)	"REP ON"
Folder Repeat	
(In MP3 media)	"F REP ON"
OFF	"REP OFF"

Track Scan

Playing the first part of each song on the disc or MP3 folder you are listening to and searching for the song you want to listen to.

1. Start Track Scan

   Press the [**SCN**] button.

   "**Scan ON**" is displayed.

2. Release it when the song you want to listen to is played

   Press the [**SCN**] button.

Random Play

Play all the songs on the disc or MP3 folder in random order.

Press the [**RDM**] button.

Each time the button is pressed Random Play turns ON or OFF.

When it's ON, "**RDM ON**" is displayed.

Note:
• *When the [▶▶] button is pressed, the next song select starts.*

Folder Select (Function of MP3)

Quickly selecting the folder you want to listen to.

1. Enter Folder Select mode

   Press the [**PRESET5**] button.

   During Select mode the folder information is displayed as shown below.

— <Folder name display>
   Displays the current folder name.

2. Select the folder level

   Press the [**FM**] or [**AM**] button.

   With the [**FM**] button you move 1 level down and with the [**AM**] button 1 level up.

   Selecting a folder in the same level

   Press the [◀◀] or [▶▶] button.

   With the [◀◀] button you move to the previous folder, and with the [▶▶] button to the next folder.

   Returning to the top level

   Press the [**PRESET3**] button.

3. Decide the folder to play

   Press the [▶▐▐] button.

   The Folder Select mode releases, and the MP3 in the folder being displayed is played.

Note:
• *The methods for moving to other folders in the Folder select mode are different from those in the Folder search mode.*

   See <Notes on playing MP3> for details.

● **Canceling the Folder Select mode**

   Press the [**PRESET5**] button.

Text/Title Scroll

Scrolling the displayed CD text, MP3 text.

   Press the [**DISP**] button for at least 1 second.

Adjustment Menu

Adjustment Menu

Setting during operation beep sound etc. functions.

The Adjustment menu basic operation method is explained here. The reference for the Adjustment menu items and their setting content is after this operation explanation.

1. Enter Adjustment menu mode

   Press the [►II] button for at least 1 second.
   "**MENU**" is displayed.

2. Select the Adjustment menu item

   Press the [**FM**] or [**AM**] button.

   Example: When you want to set the beep sound select the "**Beep**" display.

3. Set the Adjustment menu item

   Press the [◄◄] or [►►] button.

   Example: When "**Beep**" is selected, each time the button is pressed it switches "**Beep ON**" or "**Beep OFF**". Select 1 of them as the setting.

   You can continue by returning to step 2 and setting other items.

4. Exit Adjustment menu mode

   Press the [►II] button.

Note:
• *When other items that are applicable to the basic operation method above are displayed afterwards their setting content chart is entered. (Normally the uppermost setting in the chart is the original setting.)*
Also, the explanation for items that aren't applicable (<Manual Clock Adjustment>etc.) are entered step by step.

Touch Sensor Tone

Setting the operation check sound (beep sound) ON/OFF.

Display	Setting
"Beep ON"	Beep is heard.
"Beep OFF"	Beep canceled.

Manual Clock Adjustment

1. Select Clock Adjustment mode

   Press the [**FM**] or [**AM**] button.
   Select the "**CLK ADJ**" display.

2. Enter Clock Adjust mode

   Press the [◄◄] or [►►] button for at least 1 second.

   The clock display blinks.

3. Adjust the hours

   Press the [**FM**] or [**AM**] button.

   Adjust the minutes

   Press the [◄◄] or [►►] button.

4. Exit Clock adjustment mode

   Press the [►II] button.

Note:
• *At the time of clock adjustment, when only a change of the hour is made, it is not adjusted to 00 seconds. Only when the minute is changed, it is adjusted to 00 seconds.*

DSI (Disabled System Indicator)

A red indicator will blink on the unit after the faceplate is removed, warning potential thieves.

Display	Setting
"DSI ON"	LED flashes.
"DSI OFF"	LED OFF.

Selectable Illumination

Selecting the button illumination color as green or red.

Display	Setting
"KEY GRN"	The illumination color is green.
"KEY RED"	The illumination color is red.

Switching Display Type

Setting the Display type.

Display	Setting
"DisplayD"	Demonstration.
"DisplayA"	Circle Display is play time.
"DisplayB"	Circle Display is clock.
"DisplayC"	Silent display type.

Adjustment Menu

Contrast Adjustment

Adjusting the display contrast.

Display and Setting
"CONT 0"
⋮
"CONT 5" (Original setting)
⋮
"CONT 10"

Dimmer

Dimming this unit's display automatically when the vehicle light switch is turned ON.

Display	Setting
"DIM ON"	The display dims.
"DIM OFF"	The display doesn't dim.

Text Scroll

Setting the displayed text scroll.

Display	Setting
"SCL AUTO"	Repeats scroll.
"SCL MANU"	Scrolls when the display changes.

Notes:
The text scrolled is shown below.
- *CD text*
- *Folder name/ File name/ Song title/ Artist name/ Album name*

Connecting Wires to Terminals

Rear right output (Red)

Rear left output (White)

REAR

Front right output (Red)

Front left output (White)

FRONT

FM/AM antenna input

If no connections are made, do not let the wire come out from the tab.

Fuse (10A)

Wiring harness (Accessory ①)

When using the optional power amplifier, connect to its power control terminal.

P CONT

Power control wire (Blue/White)

Depending on what antenna you are using, connect either to the control terminal of the motor antenna, or to the power terminal for the booster amplifier of the film-type antenna.

ANT CONT

Motor antenna control wire (Blue)

White/Black

FRONT • L

⊖ To front left
⊕ speaker

White

To car light control switch

ILLUMI

Dimmer control wire (Orange / White)

Gray/Black

FRONT • R

⊖ To front right
⊕ speaker

Gray

Ignition key switch

ACC

Ignition wire (Red)

Green/Black

REAR • L

⊖ To rear left
⊕ speaker

Green

Car fuse box (Main fuse)

Car fuse box

Battery wire (Yellow)

Purple/Black

REAR • R

⊖ To rear right
⊕ speaker

Purple

Ground wire (Black) ⊖
(To car chassis)

Battery

Installation

■ Installation

Firewall or metal support

Screw (M4X8)
(commercially available)

Bend the tabs of the mounting
sleeve with a screwdriver or
similar utensil and attach it in
place.

Self-tapping screw
(commercially available)

Metal mounting strap
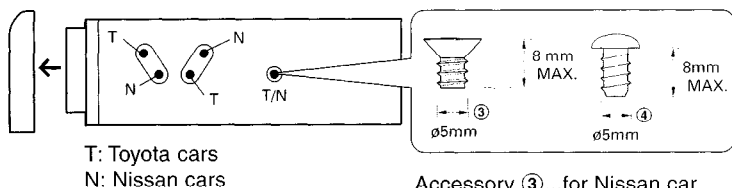(commercially available)
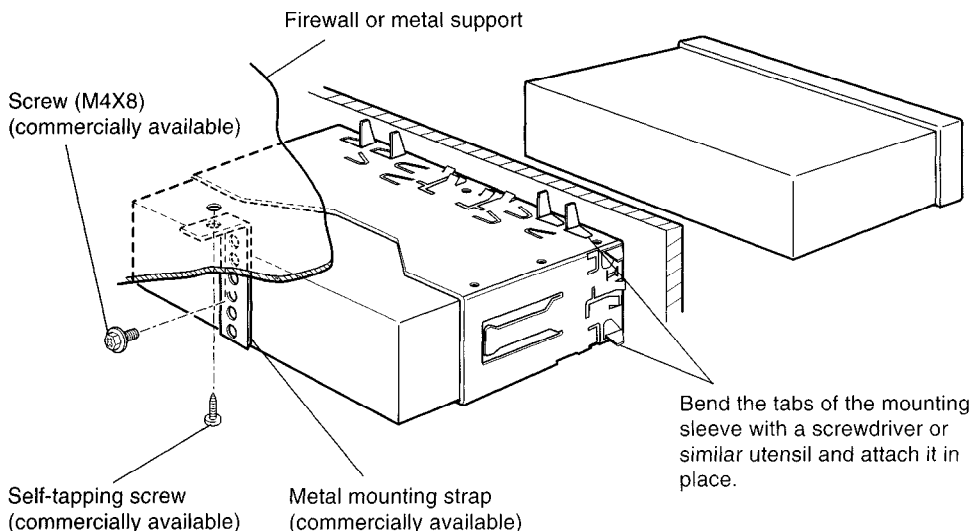
Note:
• *Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg, the sound may skip).*

■ Installing in Japanese-Made Cars

1. Refer to the section "Removing the hard rubber frame" and then remove the hard rubber frame.
2. Align the holes in the unit (two locations on each side) with the vehicle mounting bracket and secure the unit with the accessory screws.

T: Toyota cars
N: Nissan cars

8 mm MAX.
ø5mm

8mm MAX.
ø5mm

Accessory ③...for Nissan car
Accessory ④...for Toyota car

Notes:
• *During installation, do not use any screws except for those provided. The use of different screws might result in damage to the main unit.*
• *Damage may occur if a screwdriver or similar tool is used with excessive force during the installations.*

■ Screwing the Faceplate on the Unit

If you want to fasten the faceplate to the main unit so that it does not fall off, screw in the provided screws (ø4 X 16 mm) in the holes shown below.

Accessory ⑤


Bottom panel
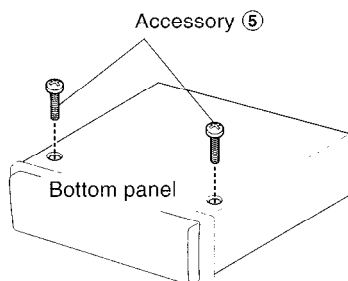
⚠CAUTION

Never insert the taptite screw (ø4 × 16 mm) in any other screw hole than the one specified. If you screw it in another hole, it will contact and may cause damage to the mechanical parts inside the unit.

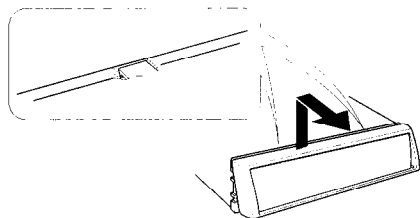### ■ Removing the hard rubber frame

1. Engage the catch pins on the removal tool and remove the two locks on the lower level.

   Lower the frame and pull it forward as shown in the figure.

Catch
Lock
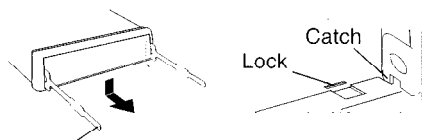
Accessory ② Removal tool

2. When the lower level is removed, remove the upper two locations.

Note:
• The frame can be removed from the top side in the same manner.

■ Removing the Unit

1. Refer to the section "Removing the hard rubber frame" and then remove the hard rubber frame.
2. Remove the screw (M4×8) on the back panel.
3. Insert the two removal tools deeply into the slots on each side, as shown.

   Screw (M4×8)
   (commercially available)
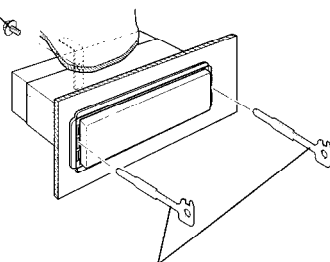
Accessory ② Removal tool

4. Lower the removal tool toward the bottom, and pull out the unit halfway while pressing towards the inside.
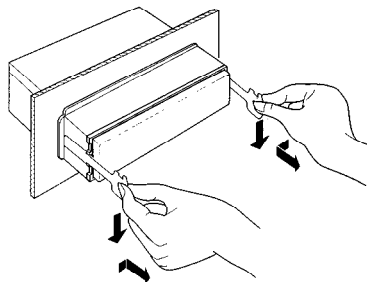
Note:
• Be careful to avoid injury from the catch pins on the removal tool.

5. Pull the unit all the way out with your hands, being careful not to drop it.

Installation Procedure

1. To prevent short circuits, remove the key from the ignition and disconnect the ⊖ terminal of the battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the speaker wires of the wiring harness.
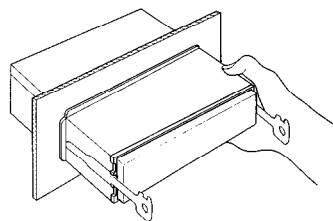4. Connect the wiring harness wires in the following order: ground, battery, ignition.
5. Connect the wiring harness connector to the unit.
6. Install the unit in your car.
7. Reconnect the ⊖ terminal of the battery.
8. Press the reset button.

⚠ WARNING

If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.

! CAUTION

- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, as with battery wires, the battery may die.
- If the console has a lid, make sure to install the unit so that the faceplate will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.

- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.

9. IN CASE OF DIFFICULTY

What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring. Before calling service, first check the following table for possible problems.

Problem	Cause	Measure
The power does not turn ON.	The fuse has blown.	After checking for short circuits in the wires, replace the fuse with one with the same rating.
	No ACC position on vehicle ignition.	Connect the same wire to the ignition as the battery wire.
Nothing happens when the buttons are pressed.	The computer chip in the unit is not functioning normally.	Press the reset button on the unit.
There's a source you can't switch.	There's no CD inserted.	Set the media you want to listen to. If there's no media in this unit, you can't switch to each source.
The memory is erased when the ignition is turned OFF.	The battery wire has not been connected to the proper terminal.	Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.
	The ignition and battery wire are incorrectly connected.	Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.
There's no loudness effect.	You're using Non-fading preout.	Loudness has no effect in Non-fading preout.
Even if Loudness is turned ON, high-pitched tone isn't compensated for.	Tuner source is selected.	High-pitched tone isn't compensated for when in Tuner source.
No sound can be heard, or the volume is low.	The fader or balance settings are set all the way to one side.	Center the fader and balance settings.
	The input/output wires or wiring harness are connected incorrectly.	Reconnect the input/output wires or the wiring harness correctly. See the section on <Connecting Wires to Terminals>.
	The values of Volume offset are low.	Increase the values of Volume offset.
The sound quality is poor or distorted.	One of the speaker wires is being pinched by a screw in the car.	Check the speaker wiring.
	The speakers are not wired correctly.	Reconnect the speaker wires so that each output terminal is connected to a different speaker.
The Touch Sensor Tone doesn't sound.	The preout jack is being used.	The Touch Sensor Tone can't be output from the preout jack.
The Dimmer function doesn't work.	The Dimmer wire isn't connected correctly.	Check the Dimmer wire connection.

Problem	Cause	Measure
Radio reception is poor.	The car antenna is not extended.	Pull the antenna out all the way.
	The antenna control wire is not connected.	Connect the wire correctly, referring to the section on <Connecting Wires to Terminals>.
The desired frequency can't be entered with the Direct Access Tuning.	A station that can't be received is being entered.	Enter a station that can be received.
	You're trying to enter a frequency with a 0.01 MHz unit.	What can be designated in the FM band is to 0.1 MHz.
The specified disc does not play, but another one plays instead.	The specified CD is quite dirty.	Clean the CD.
	The CD is upside-down.	Load the CD with the labeled side up.
	The disc is severely scratched.	Try another disc instead.
The specified track will not play.	Random play has been selected.	Turn off random play.
Track repeat, track scan, random play, start by themselves.	The setting is not canceled.	The settings for these functions remain on until the setting to off or the disc ejected, even if the power is turned off or the source changed.
Cannot play CD-R or CD-RW.	Finalization processing is not being conducted for CD-R/CD-RW.	Conduct finalization processing with CD recorder.
A CD ejects as soon as it is loaded.	The CD is upside-down.	Load the CD with the labeled side up.
	The CD is quite dirty.	Clean the CD, referring to the section on <CD cleaning>.
Can't remove disc.	The cause is that more than 10 minutes has elapsed since the vehicle ACC switch was turned OFF.	The disc can only be removed within 10 minutes of the ACC switch being turned OFF. If more than 10 minutes has elapsed, turn the ACC switch ON again and press the Eject button.
The disc won't insert.	There's already another disc inserted.	Press the [▲] button and remove the disc.
Track Search can't be done.	For the albums first or last song.	For each album, Track Search can't be done in the backward direction for the first song or in the forward direction for the last song.

Problem	Cause	Measure
Cannot play an MP3.	Not conforming to ISO 9660 Level 1/2, Joliet, and Romeo.	Use a medium conforming to ISO 9660 Level 1/2, Joliet, and Romeo.
	The MP3 has no or invalid track name extension.	Add the ".MP3" extension to the MP3 track name.
	The media is scratched or dirty.	Clean the media, referring to the section on <CD cleaning>.
Noise or no sound generated when an MP3 is played.	The track has the MP3 track name extension while it is not an MP3.	Do not use the ".MP3" extension in non-MP3.
Takes time before the unit starts playing MP3.	The medium contains many folders, tracks, and hierarchical levels.	The unit checks all tracks on the loaded medium first. If the medium has many tracks recorded, it may take a long time for the unit before it starts playing MP3.
Fails to play MP3 in the intended order.	The MP3 tracks were not written by the CD writer in the order in which you wanted them to be played.	Depending on the CD writer, you may be able to set the order in which MP3 tracks are to be played by writing them onto a medium with their track names beginning with play sequence numbers such as "01" to "99".
The sound skips when an MP3 is being played.	The media is scratched or dirty.	Clean the media, referring to the section on <CD cleaning>.
	The recording condition is bad.	Record the media again or use another media.
Can't display the ID3 tag information correctly.	Record is not made in conformity with the ID 3 tag version1.x.	Record in conformity with the ID 3 tag version1.x.
Can't enter Folder Select mode.	There's no folder recorded in the MP3 media.	Use a media with levels.
The songs in the selected folder aren't played in Folder Select mode.	There are no MP3 in the selected folder.	Make sure there's recorded content in the MP3 media.
The MP3 Track/Folder search takes time.	Many tracks are recorded on the media.	When the media directory is complex, the Track/Folder search can take time.
The MP3 related text isn't displayed correctly.	A character is entered that this unit can't display.	For the characters that can be used for MP3 text entry, refer to <Notes on playing MP3>.
The MP3 track time isn't displayed correctly.		There are times when it isn't displayed correctly according to the MP3 recording conditions.

10. ERROR DISPLAYS

The messages shown below display your systems condition.

Error Display	Cause	Measure
MECHA ER	Something is wrong with the disc. Or the unit is malfunctioning for some reason.	Check the disc. And then press the reset button on the unit. If the "MECHA ER" code does not disappear, consult your nearest service center.
TOC ER	The CD is quite dirty. The CD is upside-down. The CD is scratched a lot.	Clean the CD and load it correctly.
E-05	The CD is upside-down.	Load the CD correctly.
E-15	Media was played that doesn't have data recorded that the unit can play.	Use media that has data recorded that the unit can play.
E-77	The unit is malfunctioning for some reason.	Press the reset button on the unit. If the "E-77" code does not disappear, consult your nearest service center.

Notes:
* *NO NAME : Attempted to display DNPS during the CD play having no disc names preset.*
* *NO TEXT :* - *Attempted to display the disc text or track text while the CD having no CD text is being played.*
  - *Attempted to display the ID3 tag while the MP3 having no ID3 tag is being played.*

FM tuner section

Frequency range (200 kHz space):
    87.9 MHz – 107.9 MHz
Usable sensitivity (S/N = 30dB):
    9.3 dBf (0.8 μV/75 Ω)
Quieting Sensitivity (S/N = 50dB):
    15.2 dBf (1.6 μV/75 Ω)
Frequency response (±3 dB):
    30 Hz – 15 kHz
Signal to Noise ratio (MONO):
    70 dB
Selectivity (±400 kHz):
    ≥ 80 dB
Stereo separation (1 kHz):
    40 dB

AM tuner section

Frequency range (10 kHz space):
    530 kHz – 1700 kHz
Usable sensitivity (S/N = 20dB):
    28 dBμ (25 μV)

CD player section

Laser diode:
    GaAlAs (λ=780 nm)
Digital filter (D/A):
    8 Times Over Sampling
D/A Converter:
    1 Bit
Spindle speed:
    1000 – 400 rpm (CLV 2times)
Wow & Flutter:
    Below Measurable Limit
Frequency response (±1 dB):
    10 Hz – 20 kHz
Total harmonic distortion (1 kHz):
    0.01 %

Signal to Noise ratio (1 kHz):
    105 dB
Dynamic range:
    93 dB
Channel separation:
    85 dB
MP3 Decode:
    Compliant with MPEG-1.0/2.0/2.5
    Audio Layer-3

Audio section

Maximum output power:
    50 W x 4
Full Bandwidth Power (at less than 1 % THD):
    22 W x 4
Tone action
    Bass: 100 Hz ±10 dB
    Middle: 1 kHz ±10 dB
    Treble: 10 kHz ±10 dB
Preout level / Load (during disc play):
    1800 mV/10 kΩ
Preout impedance:
    ≤ 600 Ω

General

Operating voltage (11 – 16V allowable):
    14.4 V
Current consumption:
    10 A
Dimensions:
    7" (width) x 2" (Heigth) x 6-1/8" (Depth)
    [178 (W) x 50 (H) x 155 (D) mm]
Weight:
    2.76 lbs (1.25 kg)

Note:
• Specifications and design are subject to change
    without notice for further improvement.

Clarion Co., Ltd.

clarion®

CAR AUDIO & BEYOND

Product Registration

for USA and Canada only

IMPORTANT:

1. Detach this section of the card and keep it with your records.

2. Retain your sales receipt to validate warranty service.

3. If you purchased a Clarion ADX Series, Pro Video or Pro Audio
   product, be sure to complete the box on the last page of this form.

Information on Clarion authorized Warranty Centers
may be obtained by writing Clarion Corporation at the address below
or by calling

1-800-GO-CLARION.

In USA:
Clarion Sales Corporation
Warranty Service Center
661 West Redondo Beach Blvd.
Gardena, CA 90247
(310) 327-9100

In Canada
Clarion Canada, Inc.
Warranty Service Center
2239 Winston Park Drive
Oakville, Ontario L6H 5R1
(905) 829-4600

www.clarionmultimedia.com

TEAR THIS PAGE OFF AND KEEP IT WITH YOUR RECEIPT!

Model Number | Serial Number | $ Price Paid (before tax)

Retailer/Dealer Name

Retailer/Dealer Phone w/Area Code | Date Installed: Month | Day | Year

Tear at perforation and keep this page with your receipt.

This product is warranted against all defects in material workmanship for a period of one year from the date of original purchase. The conditions of this warranty and the extent of the responsibility of Clarion Corporation under this warranty are as follows:

1. **PROOF OF DATE OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. INFORMATION ABOUT CLARION AUTHORIZED WARRANTY SERVICE CENTERS MAY ALSO BE OBTAINED BY CONTACTING OR WRITING CLARION CORPORATION AT THE ADDRESS LISTED ON THE FRONT OF THIS CARD.**

2. This warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to product.

3. This warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion Corporation.

4. This warranty does not cover car static or other electrical interferences, tape head cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.

5. The sole responsibility of Clarion Corporation under this Warranty shall be limited to the repair or replacement thereof, at the sole discretion of Clarion Corporation.

6. If it becomes necessary to send the product or any defective part to Clarion Corporation or an authorized warranty service station, the product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion Corporation will not assume any responsibility for any loss or damage incurred in shipping.

7. ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION CORPORATION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

8. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

9. Should you have any difficulties with the performance of this product during warranty, or with any Clarion authorized service centers, you may contact the Clarion National Service Managers at the address listed on the front of this card or call 1-800-GO-CLARION for a listing of Authorized Warranty Service Centers in your area.

281-0607-00

Clarion   PRODUCT REGISTRATION CARD

Thank you for selecting a high-quality product from Clarion. We hope you are completely satisfied with your purchase. We'd like to help serve you better by finding out more about your reasons for choosing Clarion. Please take a few moments to fill out the registration information on this card and answer a few questions about yourself and your product. Then, return the card to Clarion within 10 days of purchase. Your answers will be kept strictly confidential. We appreciate your response!

In Canada, place the card in an envelope and mail to:
Clarion Canada, Inc., Warranty Service Center, 2239 Winston Park Drive, Oakville, Ontario L6H 5R1.

1   ☐ Mr.   ☐ Ms.   ☐ Mrs.   ☐ Miss

First Name   M. I.   Last Name

Mailing Address   Apt. No.

City   State/Prov.   Zip/Post Code

Phone w/Area Code   Date of Purchase: Month   Day   Year

2   **What Clarion product did you purchase?**

Multimedia
1 ☐ Color LCD Display/Control Unit
2 ☐ Color LCD Display
3 ☐ Cellular Telephone
4 ☐ Voice-Activated Navigation System
5 ☐ Video Cassette Player
6 ☐ TV Tuner
7 ☐ Rear Vision Camera

Car Audio
8 ☐ AM/FM Cassette
9 ☐ AM/FM CD Player
10 ☐ AM/FM Cassette/CD Player
11 ☐ CD Changer
12 ☐ Equalizer/DSP Processor Module
13 ☐ Amplifier
14 ☐ Speakers

Model Number   Serial Number   **$**   Price Paid (before tax)

3   **What is the name of the store where you purchased this product?**

Retailer/Dealer Name

City   State/Prov.

4 **What is your age?** *(Optional)* 1 ☐ ☐   **Marital Status?** *(Optional)*   2 ☐ Married   3 ☐ Single

5 **Are there any children in your household?**   1 ☐ Yes   2 ☐ No

If yes, please specify age range: 3 ☐ 1 - 12   4 ☐ 13 -16   5 ☐ 17 & up

6 **What is the highest level of education you have completed?**

1 ☐ Some High School   4 ☐ Completed College   7 ☐ Vocation/Technical School

2 ☐ High School Graduate   5 ☐ Some Graduate School

3 ☐ Some College   6 ☐ Completed Graduate School

7 **What best describes your primary occupation?**

1 ☐ Professional/Technical   5 ☐ Clerical/Service Worker   9 ☐ Homemaker

2 ☐ Upper Management/Executive   6 ☐ Tradesman/Machine Operator/Laborer   10 ☐ Student

3 ☐ Middle Management   7 ☐ Self-Employed/Business Owner   11 ☐ Retired

4 ☐ Sales/Marketing   8 ☐ Food Service   12 ☐ Other

8 **What is your annual household income?** *(Optional)*

1 ☐ Under $10,000   4 ☐ $30,000 - $39,999   7 ☐ $60,000 - $69,999   10 ☐ $90,000 - $99,999

2 ☐ $10,000 - $19,999   5 ☐ $40,000 - $49,999   8 ☐ $70,000 - $79,999   11 ☐ $100,000 and over

3 ☐ $20,000 - $29,999   6 ☐ $50,000 - $59,999   9 ☐ $80,000 - $89,999

9 **Which factors influenced you the MOST in choosing this Clarion Product?**

Group A (Please check two)

1 ☐ Newspaper Advertisement   7 ☐ Recommended by Store Salesperson

2 ☐ TV Commercial   8 ☐ On-line Information

3 ☐ Radio Commercial   9 ☐ Clarion Web Site

4 ☐ Magazine Advertisement   10 ☐ Store Display

5 ☐ Recommended by Friend/Family   11 ☐ Special Promotion

6 ☐ Clarion Name/Reputation   12 ☐ Other

Group B (Please check two)

13 ☐ Warranty   15 ☐ Quality/Reliability   17 ☐ Appearance/Design   19 ☐ Other

14 ☐ Price   16 ☐ Features   18 ☐ Ease of Operation

10 **What type of music do you listen to most often? (Please check one)**

1 ☐ Rock   4 ☐ Pop   7 ☐ Rap   10 ☐ New Age

2 ☐ Jazz   5 ☐ Country   8 ☐ Rhythm & Blues   11 ☐ Easy Listening

3 ☐ Blues   6 ☐ Classical 9 ☐ Reggae   12 ☐ Alternative

11 **Which of the following products/services do you own or intend to buy within the next 18 months?**

	Own	Intend to buy		Own	Intend to buy
Home Desktop PC	1 ☐	9 ☐	Satellite System/Service	17 ☐	24 ☐
Laptop Computer	2 ☐	10 ☐	Cellular Telephone	18 ☐	25 ☐
Color Monitor	3 ☐	11 ☐	Pager	19 ☐	26 ☐
CD-ROM	4 ☐	12 ☐	Call Waiting	20 ☐	27 ☐
Computer Speakers	5 ☐	13 ☐	Karaoke	21 ☐	28 ☐
Color Printer	6 ☐	14 ☐	Vehicle Navigation System	22 ☐	29 ☐
Modem	7 ☐	15 ☐	Vehicle Security System	23 ☐	30 ☐
Large Screen TV (35" or larger)	8 ☐	16 ☐			

12 **Is this your first Clarion purchase?**   1 ☐ 1st purchase   2 ☐ 2nd purchase   3 ☐ 3rd or more

13 **What type of computer do you own?**

1 ☐ IBM PC or Clone   2 ☐ Macintosh or Clone   3 ☐ Do Not Own

14 **Which on-line service/network do you subscribe to?**

1 ☐ America Online   4 ☐ MSN   7 ☐ Other

2 ☐ CompuServe   5 ☐ Internet   8 ☐ Do not have service/access

3 ☐ GEnie   6 ☐ Prodigy

ADX SERIES, PRO VIDEO & PRO AUDIO WARRANTY INFORMATION

Clarion offers two-year warranty coverage on ADX Series, Pro Video, and Pro Audio products (excluding speakers) **ONLY** if the product is installed at the same location where purchased. If not installed by the authorized dealer, one-year warranty coverage is provided.

To obtain two-year warranty coverage on your Clarion ADX Series, Pro Video, or Pro Audio product, excluding speakers, complete this section in full and return it along with a copy of your receipt and the attached product registration information in an envelope addressed to:

Clarion Sales Corporation
P.O. Box 863
Brea, CA 92822-0863

Retailer/Dealer Name

Retailer/Dealer Address

City   State/Prov.   Zip/Post Code

Retailer/Dealer Phone w/Area Code   Date Installed: Month   Day   Year

TWO-YEAR WARRANTY NOT VALID UNLESS THE SECTION ABOVE IS COMPLETED IN FULL AND RETURNED WITH A COPY OF YOUR RECEIPT.

clarion®

CAR AUDIO & BEYOND

CLARION SALES CORPORATION
PO BOX 863
BREA CA 92822-0863